

ABSTRACT OF THE DISCLOSURE**VACUUM ACTUATED DIRECTION AND SPEED CONTROL MECHANISM**

5 An electronic control system for shifting the direction in an off road vehicle such as a lawn and garden tractor or a utility vehicle is disclosed. The control system consists of a control mechanism that activates a control circuit that in turn activates an actuator to shift the transmission. The control mechanism receives inputs from the operator and sends the appropriate output to the control circuit which thereby actuates the actuator. The control
10 system further includes a sensor that senses neutral or not neutral. The sensor additionally supplies a neutral or not neutral input to the control mechanism. The combination of the input from the operator and the sensor indicates the direction of the vehicle.

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